



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

RECEIVED

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SUPERFUND DIV.
REMEDIAL BRANCH
(6SF-RA)

MEMORANDUM

Date: August 29, 2007

Subject: Contract Laboratory Program Data Review

From: *for* *Marilyn Humphrey*, ESAT Regional PO, 6MD-HC

To: G. Baumgarten, 6SF-RA

Site : JONES ROAD GROUND WATER PLUME

Case# : 36682

SDG# : F2G74

The EPA Region 6 Houston Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please call me at (281) 983-2140.



ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: August 28, 2007
TO: Marvely Humphrey, ESAT PO, Region 6 EPA
FROM: Wallace Doong, Data Reviewer, ESAT *WD*
THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT *DGS*
SUBJECT: CLP Data Review

Contract No.: EP-W-06-030
TO No.: 002
Task/Sub-Task: 2-11
ESAT Doc. No.: 7002-211-0066
TDF No.: 6-07-139A
ESAT File No.: O-0186

Attached is the data review summary for Case # 36682

SDG # F2G74

Site Jones Road Ground Water Plume

COMMENTS:

I. LEVEL OF DATA REVIEW

Region 6 Standard Review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS and hardcopy review found the data package contractually compliant.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 1,020 for this data package. Some results were qualified because of a minor technical problem.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099
ORGANIC REGIONAL DATA ASSESSMENT

| | | | |
|------------|-------------|-----------------------|-------------------------------|
| CASE NO. | 36682 | SITE | Jones Road Ground Water Plume |
| LABORATORY | MITKEM | NO. OF SAMPLES | 20 |
| CONTRACT# | EP-W-05-030 | MATRIX | Water |
| SDG# | F2G74 | REVIEWER (IF NOT ESB) | ESAT |
| SOW# | SOM01.2 | REVIEWER'S NAME | Wallace Doong |
| SF# | 302DD2CNK | COMPLETION DATE | August 28, 2007 |

| SAMPLE NO. | F2FQ9 | F2FZ8 | F2G12 | F2G28 | F2G81 |
|------------|-------|-------|-------|-------|-------|
| | F2FR0 | F2FZ9 | F2G13 | F2G29 | F2G98 |
| | F2FZ5 | F2G09 | F2G23 | F2G74 | F2GC6 |
| | F2FZ6 | F2G10 | F2G24 | F2G80 | F2GC7 |

DATA ASSESSMENT SUMMARY

TVOA

| | |
|-------------------------------|---|
| 1. HOLDING TIMES | O |
| 2. GC/MS TUNE/INSTR. PERFORM. | O |
| 3. CALIBRATIONS | O |
| 4. BLANKS | M |
| 5. DMC/SURROGATES | O |
| 6. MATRIX SPIKE/DUPLICATE/LCS | O |
| 7. OTHER QC | O |
| 8. INTERNAL STANDARDS | O |
| 9. COMPOUND ID/QUANTITATION | O |
| 10. PERFORMANCE/COMPLETENESS | O |
| 11. OVERALL ASSESSMENT | M |

O = Data had no problems.

M = Data qualified because of major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN: The chloromethane QL was raised above the CRQL for seven samples because of shipping contamination.

NOTABLE PERFORMANCE: The data package arrived 1 calendar day early for the 14-day contractual turnaround time requirement.

**COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW**

CASE 36682 SDG F2G74 SITE Jones Road Ground Water Plume LAB MITKEM

COMMENTS: This SDG consisted of 20 water samples for trace VOA analysis following CLP SOW SOM01.2. The OTR/COC Records designated sample F2G23 for laboratory QC analyses and sample F2G98 as a trip blank. The RSCC personnel confirmed that samples F2FZ5/F2G00 (SDG F2FY0), F2FZ6/F2GC8 (SDG F2FY0), F2G29/F2GC9 (SDG F2FY0), F2GC6/F2G05 (SDG F2FZ1), and F2GC7/F2FZ0 (SDG F2FY7) were field duplicate pairs. Although submitted with other SDG's, trip blank sample F2G99 (SDG F2FY0) and field blank samples F2GB7 (SDG F2FY7) and F2GB8 (SDG F2FY0) are also associated with the samples in this SDG.

Standard Review was performed for this data package as requested by the TDF. The target compounds of concern with the user's desired detection limits in parentheses are vinyl chloride (2 µg/L), cis/trans-1,2-dichloroethenes (7 µg/L), and tetrachloroethylene (5 µg/L). The samples met the user's desired detection limit criteria. No target compound of concern was detected at a concentration above the user's desired detection limit. The only target compound of concern detected at a concentration above the CRQL was tetrachloroethylene in sample F2GC6. The only other target compound reported at concentrations above the CRQL was shipping contaminant chloromethane in seven samples.

Some results were qualified for seven samples because of a shipping contamination problem. The technical usability of the reported results is indicated by ESAT's final data qualifiers in the Data Summary Table (DST). An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. All samples were preserved with acid and analyzed within the contractual and technical holding time limits.

ORGANIC QA REVIEW
CONTINUATION PAGE

CASE 36682 SDG F2G74 SITE Jones Road Ground Water Plume LAB MITKEM

NOTE: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these analytes.

2. Tuning/Performance: Acceptable. The BFB analyses met GC/MS tuning criteria.

3. Calibrations: Acceptable. All analytes met contractual and technical calibration criteria.

4. Blanks: Provisional. The storage and method blanks met contractual requirements and were free from target compound contamination.

Trip/Field Blanks: Field blank samples F2GB7 (SDG F2FY7) and F2GB8 (SDG F2FY0) were free of contaminants. Chloromethane was detected at a concentration below the CRQL in trip blank sample F2G98 and at a concentration above the CRQL in trip blank sample F2G99 (SDG F2FY0). Effects of the shipping contamination are summarized below.

- The chloromethane results below the CRQL for samples F2FZ5 and F2GC7 should be considered undetected and were flagged "U" at the CRQL on the DST.
- The chloromethane results above the CRQL for samples F2FQ9, F2FR0, F2FZ8, F2FZ9, F2G74, F2G80, and F2G81 were qualified as undetected ("U"), and the reported concentrations should be used as raised QL's ("M").

5. Deuterated Monitoring Compounds (DMC's)/Surrogates: Acceptable. All samples met contractual criteria for DMC recovery although samples F2G23MS and F2G23MSD had high VDMC3 recoveries. Since VDMC3 was not associated with any spike analyte, the MS/MSD results were not impacted.

6. Matrix Spike/Matrix Spike Duplicate/Laboratory Control Sample (MS/MSD/LCS): Acceptable. The RPD exceeded the QC limits for 1,1-dichloroethene. Since this analyte was not detected in the unspiked sample, result qualification was not required. Other MS/MSD results met QC criteria for %recovery and precision.

7. Other QC:

Field Duplicates: Acceptable. The field duplicate results were consistent.

8. Internal Standards (IS): Acceptable. The IS responses were within SOW QC limits for all analyses.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

CASE 36682 SDG F2G74 SITE Jones Road Ground Water Plume LAB MITKEM

9. Compound Identity (ID)/Quantitation: Acceptable. The target compounds detected at concentrations above the CRQL's were tetrachloroethene in sample F2GC6 and shipping contaminant chloromethane in seven samples. No compound ID or quantitation problem was detected.

10. Performance/Completeness: Acceptable. The data package was complete. The DST included in this report is the final version.

11. Overall Assessment: The chloromethane QL was raised above the CRQL for samples F2FQ9, F2FR0, F2FZ8, F2FZ9, F2G74, F2G80, and F2G81 because of a shipping contamination problem. All other sample results are technically acceptable.

ORGANIC ACRONYMS

| | |
|------------------|---|
| %D | Percent Difference |
| %RSD | Percent Relative Standard Deviation |
| ARO | Aroclors |
| BFB | 4-Bromofluorobenzene |
| BNA | Base/Neutral and Acid |
| CADRE | Computer-Aided Data Review and Evaluation |
| CCS | Contract Compliance Screening |
| CCV | Continuing Calibration Verification |
| CF | Calibration Factor |
| CRQL | Contract Required Quantitation Limit |
| CSF | Complete SDG File |
| DCB | Decachlorobiphenyl |
| DFTPP | Decafluorotriphenylphosphine |
| DMC | Deuterated Monitoring Compound |
| DST | Data Summary Table |
| GC/ECD | Gas Chromatograph/Electron Capture Detector |
| GC/MS | Gas Chromatograph/Mass Spectrometer |
| GPC | Gel Permeation Chromatography |
| IC | Initial Calibration |
| INDA(B,C) | Individual Standard Mixture A(or B or C) |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| LMVOA | Low/Medium Volatile Organic Analysis |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| NFG | National Functional Guidelines |
| OTR/COC | Organic Traffic Report/Chain of Custody |
| PAH | Polynuclear Aromatic Hydrocarbon |
| PE | Performance Evaluation |
| PEM | Performance Evaluation Mixture |
| PEST | Pesticides |
| QA | Quality Assurance |
| QC | Quality Control |
| QL | Quantitation Limit |
| RIC | Reconstructed Ion Chromatogram |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| RRT | Relative Retention Time |
| RSCC | Regional Sample Control Center |
| RT | Retention Time |
| SDG | Sample Delivery Group |
| SDMC | Semivolatile Deuterated Monitoring Compound |
| SIM | Selected Ion Monitoring |
| SMO | Sample Management Office |
| SOW | Statement of Work |
| SQL | Sample Quantitation Limit |
| SVOA | Semivolatile Organic Analysis |
| TCL | Target Compound List |
| TCX | Tetrachloro-m-xylene |
| TIC | Tentatively Identified Compound |
| TVOA | Trace Volatile Organic Analysis |
| VDMC | Volatile Deuterated Monitoring Compound |
| VOA | Volatile Organic Analysis |

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
SMPDATE: Sampling Date
STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, VALDQAL, and ADJCRQL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- A** High biased. Actual concentration may be lower than the concentration reported.
- V** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- C** Identification of pesticide or aroclor has been confirmed by Gas Chromatography/Mass Spectrometer (GC/MS).
- X** Identification of pesticide or aroclor could not be confirmed by GC/MS when attempted.
- * Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

| | | | |
|----------|-------|---------|-------|
| Case No. | 36682 | SDG No. | F2G74 |
|----------|-------|---------|-------|

SDG Nos. To Follow

Mod. Ref No.

Date Rec 8/21/07

| <p>EPA Lab ID: MITKEM</p> <p>Lab Location: Warwick, RI</p> <p>Region: 6 Audit No.: 36682/F2G74</p> <p>Re_Submitted CSF? Yes _____ No X</p> <p>Box No(s): 1</p> <p>COMMENTS:</p> <p>Over for additional comments.</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">ORIGINALS</th> <th style="width: 10%;">YES</th> <th style="width: 10%;">NO</th> <th style="width: 10%;">N/A</th> </tr> </thead> <tbody> <tr> <td colspan="4">CUSTODY SEALS</td> </tr> <tr> <td>1. Present on package?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>2. Intact upon receipt?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">FORM DC-2</td> </tr> <tr> <td>3. Numbering scheme accurate?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>4. Are enclosed documents listed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5. Are listed documents enclosed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">FORM DC-1</td> </tr> <tr> <td>6. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>7. Complete?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>8. Accurate?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s)</td> </tr> <tr> <td>9. Signed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>10. Dated?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">AIRBILLS/AIRBILL STICKER</td> </tr> <tr> <td>11. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>12. Signed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>13. Dated?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SAMPLE TAGS</td> </tr> <tr> <td>14. Does DC-1 list tags as being included?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>15. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">OTHER DOCUMENTS</td> </tr> <tr> <td>16. Complete?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>17. Legible?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>18. Original?</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>18a. If "NO", does the copy indicate where original documents are located?</td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | ORIGINALS | YES | NO | N/A | CUSTODY SEALS | | | | 1. Present on package? | X | | | 2. Intact upon receipt? | X | | | FORM DC-2 | | | | 3. Numbering scheme accurate? | X | | | 4. Are enclosed documents listed? | X | | | 5. Are listed documents enclosed? | X | | | FORM DC-1 | | | | 6. Present? | X | | | 7. Complete? | X | | | 8. Accurate? | X | | | TRAFFIC REPORT /CHAIN-OF-CUSTODY RECORD(s) | | | | 9. Signed? | X | | | 10. Dated? | X | | | AIRBILLS/AIRBILL STICKER | | | | 11. Present? | X | | | 12. Signed? | X | | | 13. Dated? | X | | | SAMPLE TAGS | | | | 14. Does DC-1 list tags as being included? | X | | | 15. Present? | X | | | OTHER DOCUMENTS | | | | 16. Complete? | X | | | 17. Legible? | X | | | 18. Original? | | X | | 18a. If "NO", does the copy indicate where original documents are located? | X | | |
|--|--|-----------|-----|----|-----|----------------------|--|--|--|------------------------|---|--|--|-------------------------|---|--|--|------------------|--|--|--|-------------------------------|---|--|--|-----------------------------------|---|--|--|-----------------------------------|---|--|--|------------------|--|--|--|-------------|---|--|--|--------------|---|--|--|--------------|---|--|--|---|--|--|--|------------|---|--|--|------------|---|--|--|---------------------------------|--|--|--|--------------|---|--|--|-------------|---|--|--|------------|---|--|--|--------------------|--|--|--|--|---|--|--|--------------|---|--|--|------------------------|--|--|--|---------------|---|--|--|--------------|---|--|--|---------------|--|---|--|--|---|--|--|
| ORIGINALS | YES | NO | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUSTODY SEALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Present on package? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3. Numbering scheme accurate? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Are enclosed documents listed? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Are listed documents enclosed? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM DC-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7. Complete? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 9. Signed? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| AIRBILLS/AIRBILL STICKER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. Present? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. Signed? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13. Dated? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE TAGS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14. Does DC-1 list tags as being included? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15. Present? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER DOCUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16. Complete? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17. Legible? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18. Original? | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18a. If "NO", does the copy indicate where original documents are located? | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Audited by:



Audited by:

Signature

Wallace Doong / ESAT Data Reviewer

Date 8/22/07

Date

Printed Name/Title

DC-2



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

F2G74

Case No: 36682
DAS No:

R

| | | | | |
|---|--|-------------------------------|--|---------------------------|
| Region: 6 | Date Shipped: 8/7/2007 | Chain of Custody Record | | Sampler Signature: |
| Project Code: 123739 | Carrier Name: UPS | Relinquished By (Date / Time) | | Received By (Date / Time) |
| Account Code: | Airbill: 1Z66V0692210005647 | 1 8/7/07 14:00 | | |
| CERCLIS ID: | Shipped to: Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400 | 2 | | |
| Spill ID: | | 3 | | |
| Site Name/State: JONES RD GW PLUME August 2007/TX | | 4 | | |
| Project Leader: Jennifer Dart | | | | |
| Action: | | | | |
| Sampling Co: Shaw Environmental, Inc. | | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|---------------------------------|------------|----------------------|---|------------------|--------------------------|----------------------|---------|
| F2FQ9 | Ground Water/ Andrew Gilchriest | L/G | Trace VOA (14) | 6354684 (HCL), 6354685 (HCL), 6354686 (HCL) (3) | ES11627-2 | S: 8/7/2007 11:35 | | - |
| F2FR0 | Ground Water/ Andrew Gilchriest | L/G | Trace VOA (14) | 6354687 (HCL), 6354688 (HCL), 6354689 (HCL) (3) | ES11627-3 | S: 8/7/2007 11:35 | | - |
| F2FZ5 | Ground Water/ Jorge Rodriguez | L/G | Trace VOA (14) | 6354737 (HCL), 6354738 (HCL), 6354739 (HCL) (3) | PH11650 | S: 8/7/2007 9:39 | | - |
| F2FZ6 | Ground Water/ Jorge Rodriguez | L/G | Trace VOA (14) | 6354731 (HCL), 6354732 (HCL), 6354733 (HCL) (3) | PH11702 | S: 8/7/2007 8:44 | | - |
| F2FZ8 | Ground Water/ Will Hudgins | L/G | Trace VOA (14) | 6330497 (HCL), 6330498 (HCL), 6330499 (HCL) (3) | TC11019-2 | S: 8/7/2007 8:27 | | - |
| F2FZ9 | Ground Water/ Will Hudgins | L/G | Trace VOA (14) | 6356201 (HCL), 6356202 (HCL), 6356203 (HCL) (3) | TC11019-3 | S: 8/7/2007 8:30 | | - |
| F2G09 | Ground Water/ Will Hudgins | L/G | Trace VOA (14) | 6356213 (HCL), 6356214 (HCL), 6356215 (HCL) (3) | TC11107-2 | S: 8/7/2007 9:48 | | - |
| F2G10 | Ground Water/ Will Hudgins | L/G | Trace VOA (14) | 6356216 (HCL), 6356217 (HCL), 6356218 (HCL) (3) | TC11107-3 | S: 8/7/2007 9:50 | | - |
| F2G12 | Ground Water/ Will Hudgins | L/G | Trace VOA (14) | 6356222 (HCL), 6356223 (HCL), 6356224 (HCL) (3) | TC11115-2 | S: 8/7/2007 10:42 | | - |
| F2G13 | Ground Water/ Will Hudgins | L/G | Trace VOA (14) | 6356225 (HCL), 6356226 (HCL), 6356227 (HCL) (3) | TC11115-3 | S: 8/7/2007 10:45 | | - |

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|--|--|--|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: F2G23 | Additional Sampler Signature(s): Aldo May Jr. Mitch Beard | Chain of Custody Seal Number: |
| Analysis Key: Trace VOA = Trace VOA | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

TR Number: 6-043013577-080707-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4600

F2V5.1.047 Page 1 of 3



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 36682

DAS No:

R

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|---|---------------------------------------|--|-------------------------|---------------|--------------------|
| Region: 6 | Project Code: 123739 | Date Shipped: 8/7/2007 | Chain of Custody Record | | Sampler Signature: |
| Account Code: | CERCLIS ID: | Carrier Name: UPS | Relinquished By | (Date / Time) | Received By |
| Spill ID: | Airbill: 1Z66V0692210005647 | Shipped to: Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400 | 1 | 8/7/07 18:00 | |
| Site Name/State: JONES RD GW PLUME August 2007/TX | Project Leader: Jennifer Dart | | 2 | | |
| Action: | Sampling Co: Shaw Environmental, Inc. | | 3 | | |
| | | | 4 | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|-----------------------------------|------------|----------------------|--|------------------|--------------------------|----------------------|-------------|
| F2G23 | Ground Water/ Micah Beard | L/G | Trace VOA (14) | 6354334 (HCL), 6354335 (HCL), 6354336 (HCL), 6354337 (HCL), 6354338 (HCL), 6354339 (HCL) (6) | TC11203 | S: 8/7/2007 8:30 | | - |
| F2G24 | Ground Water/ Micah Beard | L/G | Trace VOA (14) | 6366951 (HCL), 6366952 (HCL), 6366953 (HCL) (3) | TC11206 | S: 8/7/2007 11:15 | | - |
| F2G28 | Ground Water/ Micah Beard | L/G | Trace VOA (14) | 6354340 (HCL), 6354341 (HCL), 6354342 (HCL) (3) | TC11315 | S: 8/7/2007 9:20 | | - |
| F2G29 | Ground Water/ Micah Beard | L/G | Trace VOA (14) | 6354343 (HCL), 6354344 (HCL), 6354345 (HCL) (3) | TC11330 | S: 8/7/2007 10:05 | | - |
| F2G80 | Ground Water/ Andrew Gilchrist | L/G | Trace VOA (14) | 6354663 (HCL), 6354664 (HCL), 6354665 (HCL) (3) | TT11127-2 | S: 8/7/2007 8:40 | | - |
| F2G81 | Ground Water/ Andrew Gilchrist | L/G | Trace VOA (14) | 6354666 (HCL), 6354667 (HCL), 6354668 (HCL) (3) | TT11127-3 | S: 8/7/2007 8:40 | | - |
| F2G82 | Ground Water/ Andrew Gilchrist | L/G | Trace VOA (14) | 6354675 (HCL), 6354676 (HCL), 6354677 (HCL) (3) | TT11131-2 | S: 8/7/2007 10:00 | | - |
| F2G83 | Ground Water/ Andrew Gilchrist | L/G | Trace VOA (14) | 6354678 (HCL), 6354679 (HCL), 6354680 (HCL) (3) | TT11131-3 | S: 8/7/2007 10:00 | | - |
| F2G99 | Ground Water/ Valeri Magnini | L/G | Trace VOA (14) | 6326148 (HCL), 6326249 (HCL), 6326799 (HCL) (3) | TRIP BLANK 3 | S: 8/7/2007 10:55 | | Trip Blank |
| F2GB8 | Ground Water/ Valeri Magnini | L/G | Trace VOA (14) | 6417425 (HCL), 6417426 (HCL), 6417696 (HCL) (3) | FIELD BLANK 2 | S: 8/7/2007 8:15 | | Field Blank |

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|--|--|---|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: F2G23 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key: Trace VOA = Trace VOA | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? |

TR Number: 6-043013577-080707-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4600

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 36682
DAS No:

R

| | | | |
|---|--|-------------------------|---------------|
| Region: 6 | Date Shipped: 8/6/2007 | Chain of Custody Record | |
| Project Code: 123739 | Carrier Name: UPS | Sampler Signature: | |
| Account Code: | Airbill: 1Z66V0692210005638 | Relinquished By | (Date / Time) |
| CERCLIS ID: | Shipped to: Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400 | Received By | (Date / Time) |
| Spill ID: | | 1 | 8/6/07 17:30 |
| Site Name/State: JONES RD GW PLUME August 2007/TX | | 2 | |
| Project Leader: Jennifer Dart | | 3 | |
| Action: | | 4 | |
| Sampling Co: Shaw Environmental, Inc. | | | |

| ORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE No. | QC Type |
|--------------------|--------------------------------|------------|----------------------|---|------------------|--------------------------|----------------------|-----------------|
| F2G73 | Ground Water/ Andrew Gilchrist | L/G | Trace VOA (14) | 6354654 (HCL), 6354655 (HCL), 6354656 (HCL) (3) | TT11107-2 | S: 8/6/2007 14:50 | | -- |
| F2G74 | Ground Water/ Andrew Gilchrist | L/G | Trace VOA (14) | 6354657 (HCL), 6354658 (HCL), 6354659 (HCL) (3) | TT11107-3 | S: 8/6/2007 14:50 | | -- |
| F2G98 | Ground Water/ Valeri Magnini | L/G | Trace VOA (14) | 6327649 (HCL), 6417099 (HCL), 6417100 (HCL) (3) | TRIP BLANK 2 | S: 8/6/2007 10:07 | | Trip Blank |
| F2GC6 | Ground Water/ Micah Beard | L/G | Trace VOA (14) | 6354319 (HCL), 6354320 (HCL), 6354321 (HCL) (3) | TC11035A | S: 8/6/2007 12:55 | | Field Duplicate |
| F2GC7 | Ground Water/ Jorge Rodriguez | L/G | Trace VOA (14) | 6354719 (HCL), 6354720 (HCL), 6354721 (HCL) (3) | PH11618A | S: 8/6/2007 12:38 | | Field Duplicate |

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|--|--|--|-------------------------------|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: F2G11 | Additional Sampler Signature(s): <i>Heather Bauer</i> <i>Jorge Rodriguez</i> <i>Og Alstot</i> | Chain of Custody Seal Number: |
| Analysis Key: Trace VOA = Trace VOA | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? |

TR Number: 6-043013577-080607-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4600

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